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Levon Nurbekyan* (lnurbek@math.ucla.edu). *Spectral and machine-learning methods for mean-field games.*

I will present some of the recent developments in computational methods for mean-field game (MFG) systems. In particular, I will discuss Fourier (feature space) expansion, deep neural network (DNN) methods, and their combination for solving MFG systems. (Received August 25, 2020)